

Instruction for use IR sound system

**1. Introduction**  
CONGRATULATIONS! You have just bought a most sophisticated stereo Infra Red (IR) sound system. This system gives you complete freedom to enjoy your music, without the inconvenience and limitations of headphone cables. To ensure the best performance of your stereo IR system, please read this document carefully.

- 2. Features**
- Transmits the stereo audio signal from your audio or video source to your IR headphone without wires.
  - Uses high-frequency IR rays to carry audio signal, ensuring clear, sharp reception.
  - Automatic Level Control (ALC) prevents overloading of the transmitter over a wide level of input signal.
  - Mute function to suppress excessive noise when there is no input signal.

- 3. What is included**  
In this set the following components are included :
1. IR stereo transmitter
  2. IR stereo headphone
  3. AC/DC adaptor
  4. HiFi audio cable
  5. Instructions for use

- 4. Explanation of controls**  
**On the IR stereo transmitter (see figure 1)**
1. IR transmitting LEDs, to transmit audio signal to IR headphone.
  2. DC input connector, to power the IR transmitter.
  3. Power on/off switch.
  4. Input 3.5 mm jack connector, for input of audio signal.
- On the IR stereo headphone receiver (see figure 2)**
5. Power on/off switch.
  6. Power on/off LED indicator.
  7. Volume control.
  8. IR sensors, to receive IR light from the transmitter.

- 5. Installation**
1. Connect the stereo audio signal to the IR transmitter with the HiFi cable, as shown in Figure 1.
  2. Insert the DC connector of the AC/DC adaptor into the 12V DC input connector on the rear of the IR transmitter, as shown in figure 1.
  3. Ensure that the rated voltage of the AC/DC adaptor is the same as the mains voltage before plugging it into the mains power wall outlet.
  4. Insert two batteries (R3,AAA) into the battery compartments as shown in figure 2, ensuring that the polarity is correct.

- 6. Operation**
1. Switch on the IR transmitter and place it at the same height or slightly higher than the reception height of the IR headphone.
  2. Position the LEDs towards the listening area, ensuring that there are no obstacles in between.
  3. Switch the IR headphone on.
  4. Set the volume control to maximum on the IR headphone.
  5. While listening to your IR headhone, adjust the volume of the signal source to the headphone's maximum acceptable sound level.
  6. Adjust volume control of the IR stereo headphone to a comfortable listening level.

- 7. Positioning of IR transmitter**
1. Place the IR transmitter unit so that the IR window approximately faces the centre of your listening area, see figure 3.
  2. Because IR light travels in a straight line, place the IR transmitter at the same height, or slightly higher than the reception height of the IR headphone.
  3. High IR light content such as sunlight and bright incandescent indoor lighting may degrade the audio signal and cause interference. If you experience such problems, simply move the system to a darker area.

- 8. Specifications**
- |                          |   |
|--------------------------|---|
| System                   | : Infra Red (IR)                                |
| Carrier frequency        | : Left channel 2.3 MHz<br>Right channel 2.8 MHz |
| Modulation               | : FM  |
| Power supply transmitter | : 200 mA, 12V DC                                |
| Power supply headphone   | : 2 x R3(AAA) batteries                         |
| Frequency range          | : 18 - 22.000 Hz                                |
| S/N ratio                | : ≥50 dB  |
| Distortion               | : ≤0.5% THD                                     |
| Channel separation       | : ≥40 dB  |

Explanation of Controls

SBC HM800

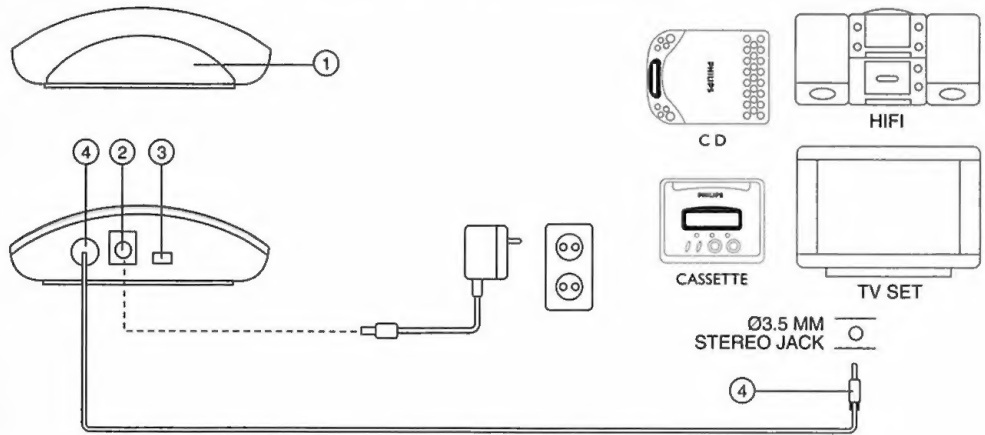


Figure 1

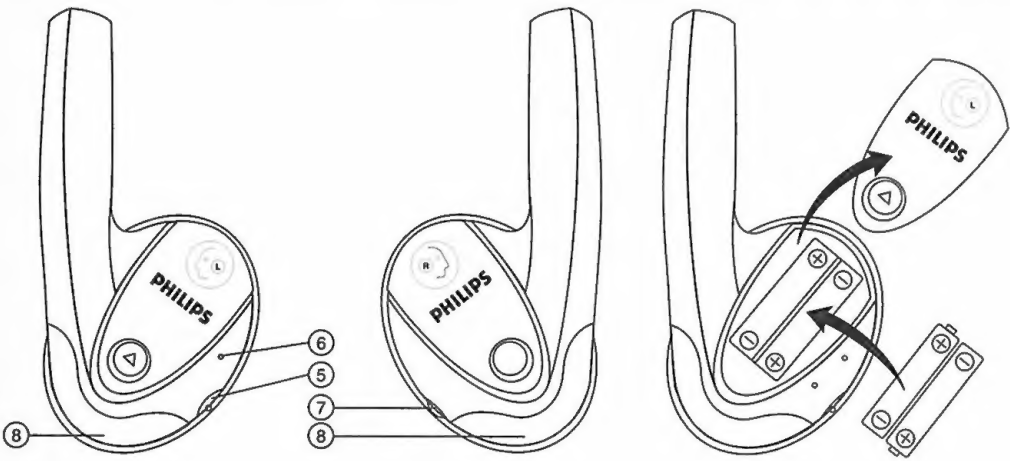


Figure 2

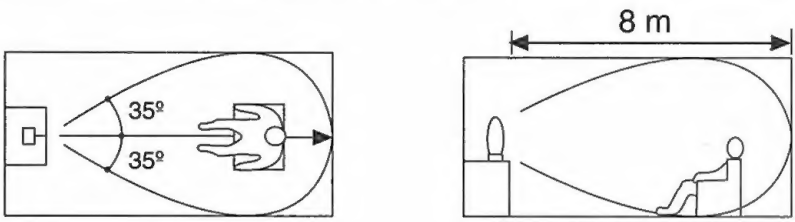
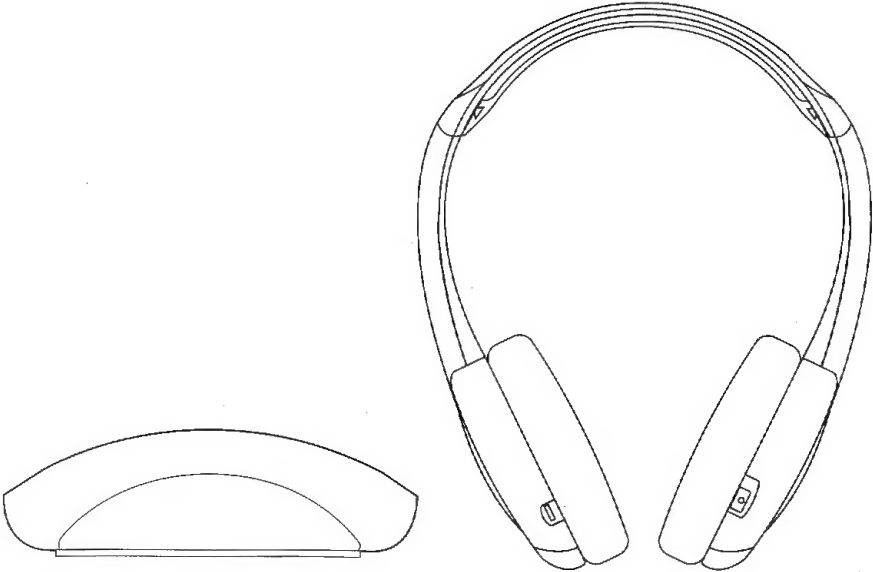


Figure 3

PHILIPS

Instructions for use  
Mode d'emploi  
Gebruiksaanleitung  
Gebruiksaanwijzing  
Istruzioni d'uso  
Instrucciones  
Modo de emprego  
Bruksanvisning  
使用説明書



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